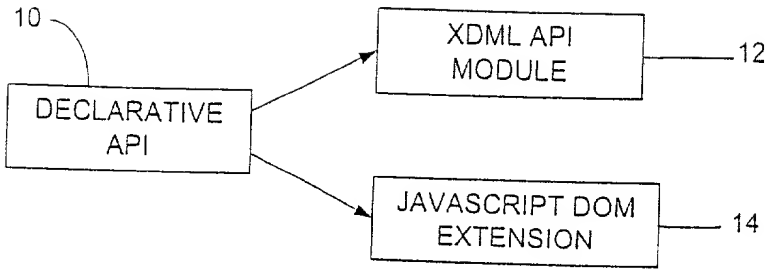


FIGURE 1

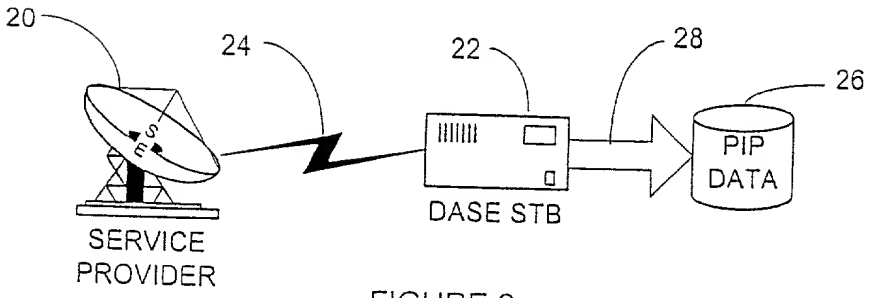


FIGURE 2

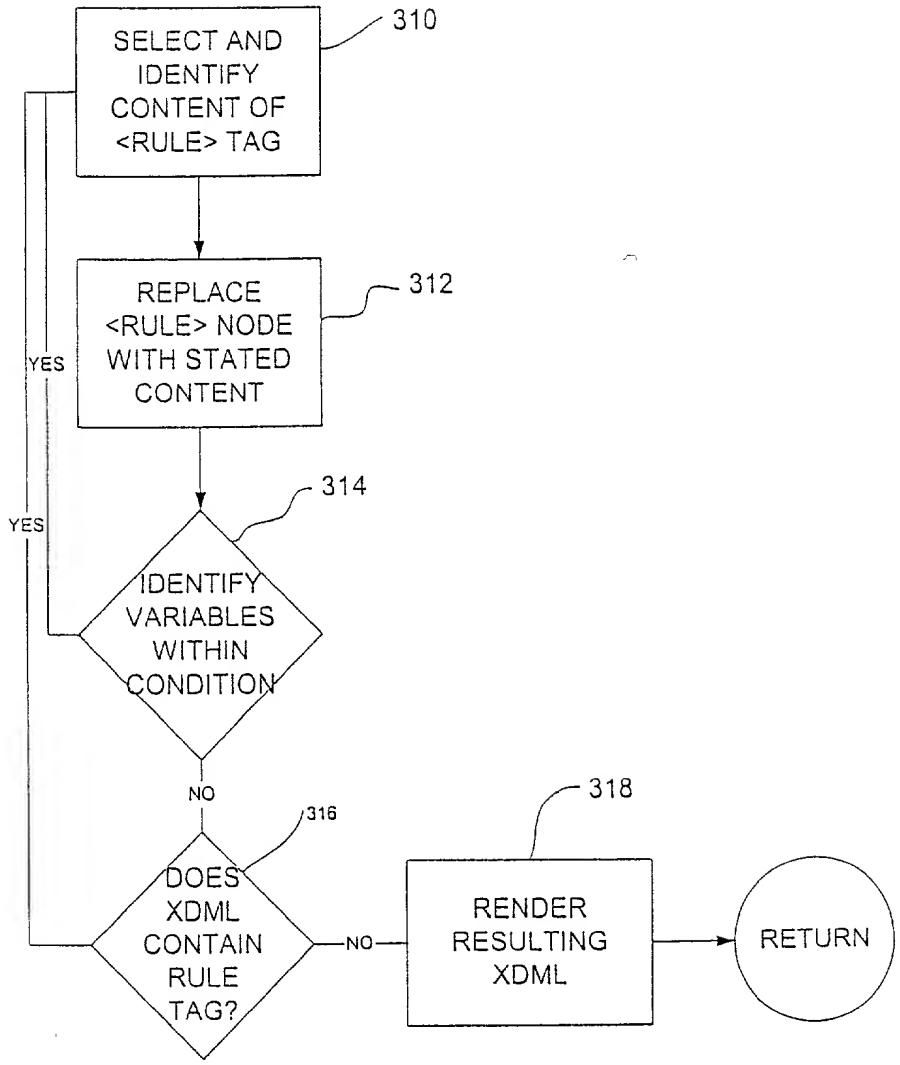
SELECT AND IDENTIFY CONTENT OF <RULE> TAG
310
REPLACE <RULE> NODE WITH STATED CONTENT
312
YES
IDENTIFY VARIABLES WITHIN CONDITION
314
YES
NO
DOES XDML CONTAIN RULE TAG?
316
NO
RENDER RESULTING XDML
318
RETURN

FIGURE 3

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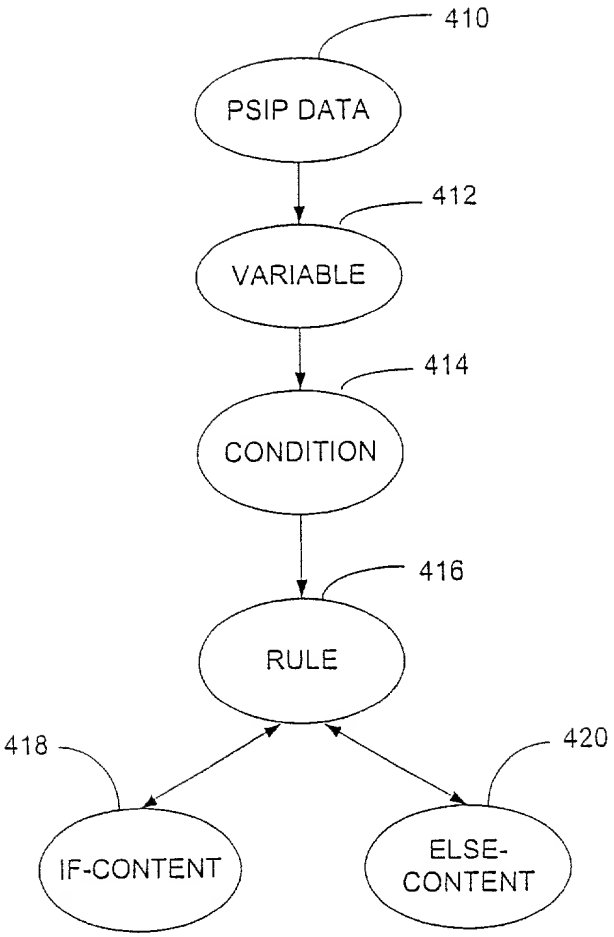


FIGURE 4

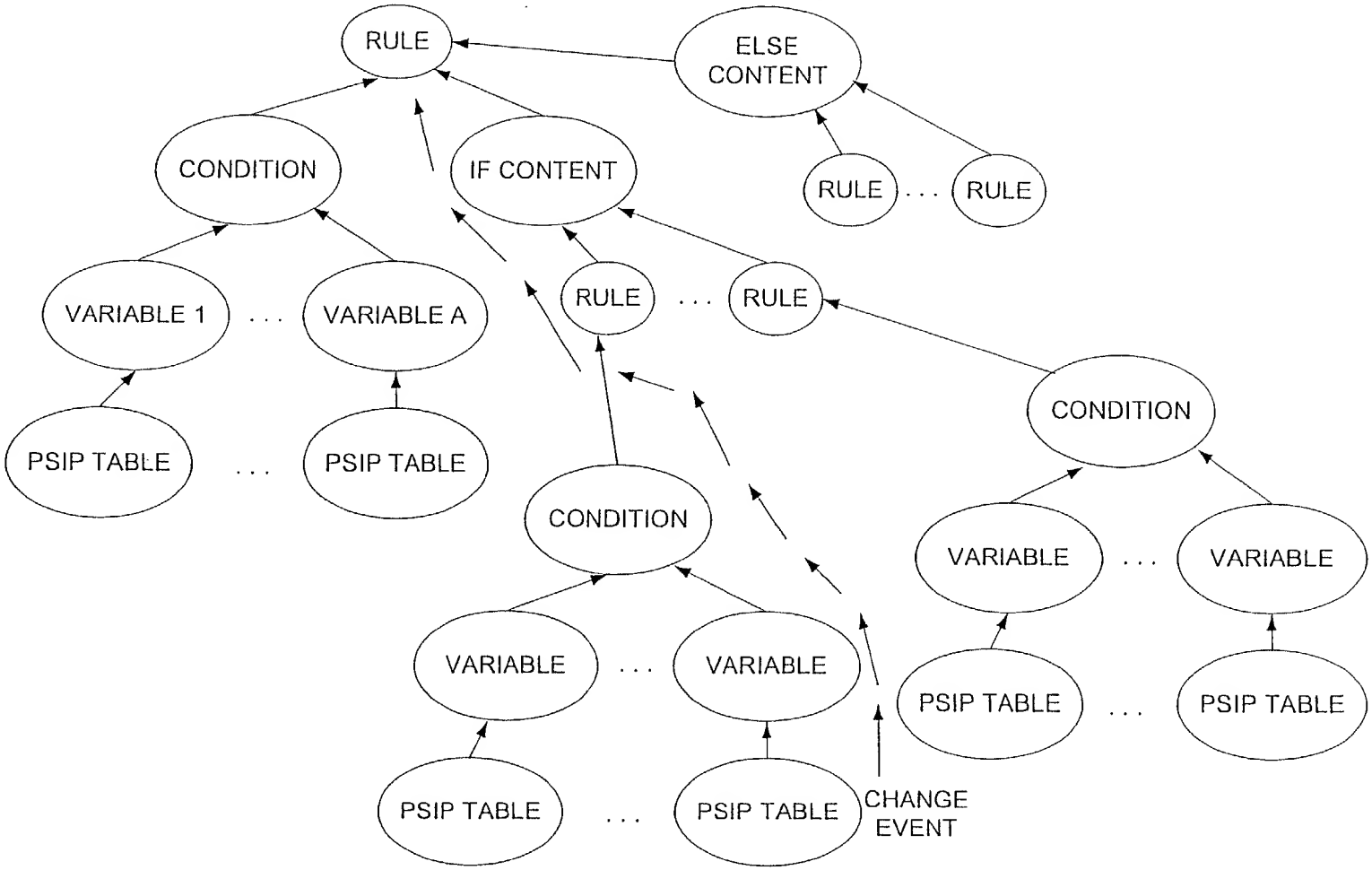
RULE
ELSE CONTENT
CONDITION
IF CONTENT
RULE
RULE
VARIABLE 1
VARIABLE A
RULE
RULE
CONDITION
PSIP TABLE
PSIP TABLE
CONDITION
VARIABLE
VARIABLE
VARIABLE
VARIABLE
PSIP TABLE
PSIP TABLE
PSIP TABLE
PSIP TABLE
CHANGE EVENT

FIGURE 5

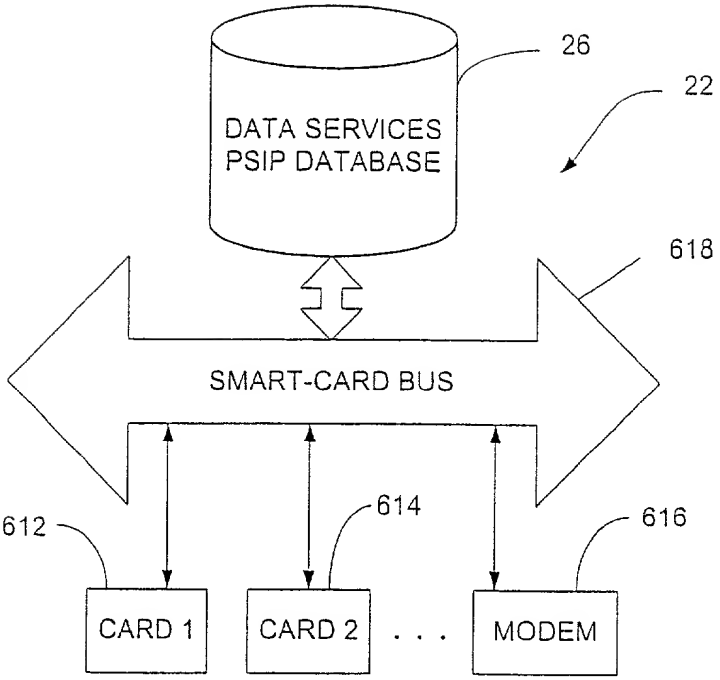
26
22
DATA SERVICES
PSIP DATABASE
618
SMART-CARD BUS
612
614
616
CARD 1
CARD 2
. . .
MODEM

FIGURE 6

TD2080 SETH2660

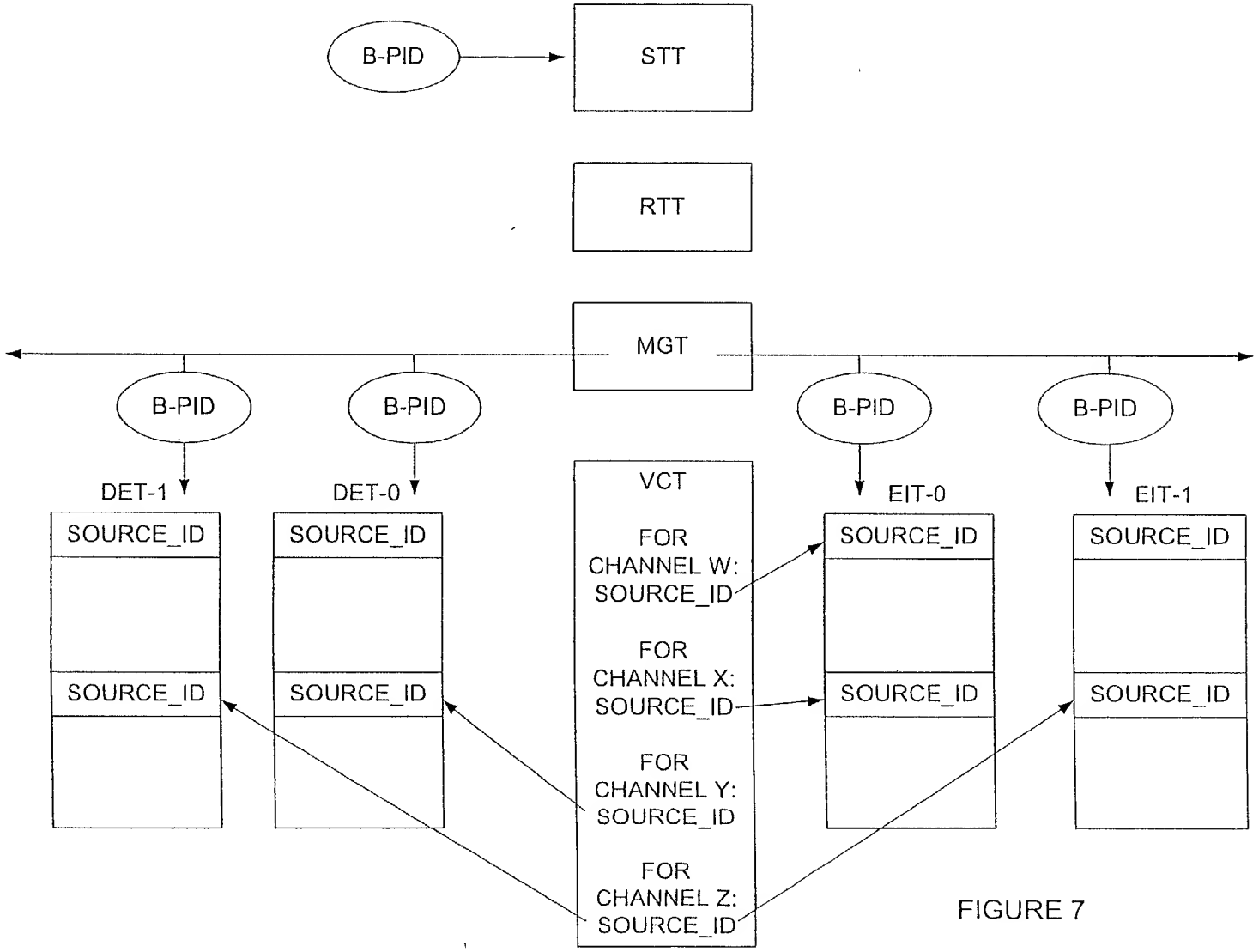


FIGURE 7

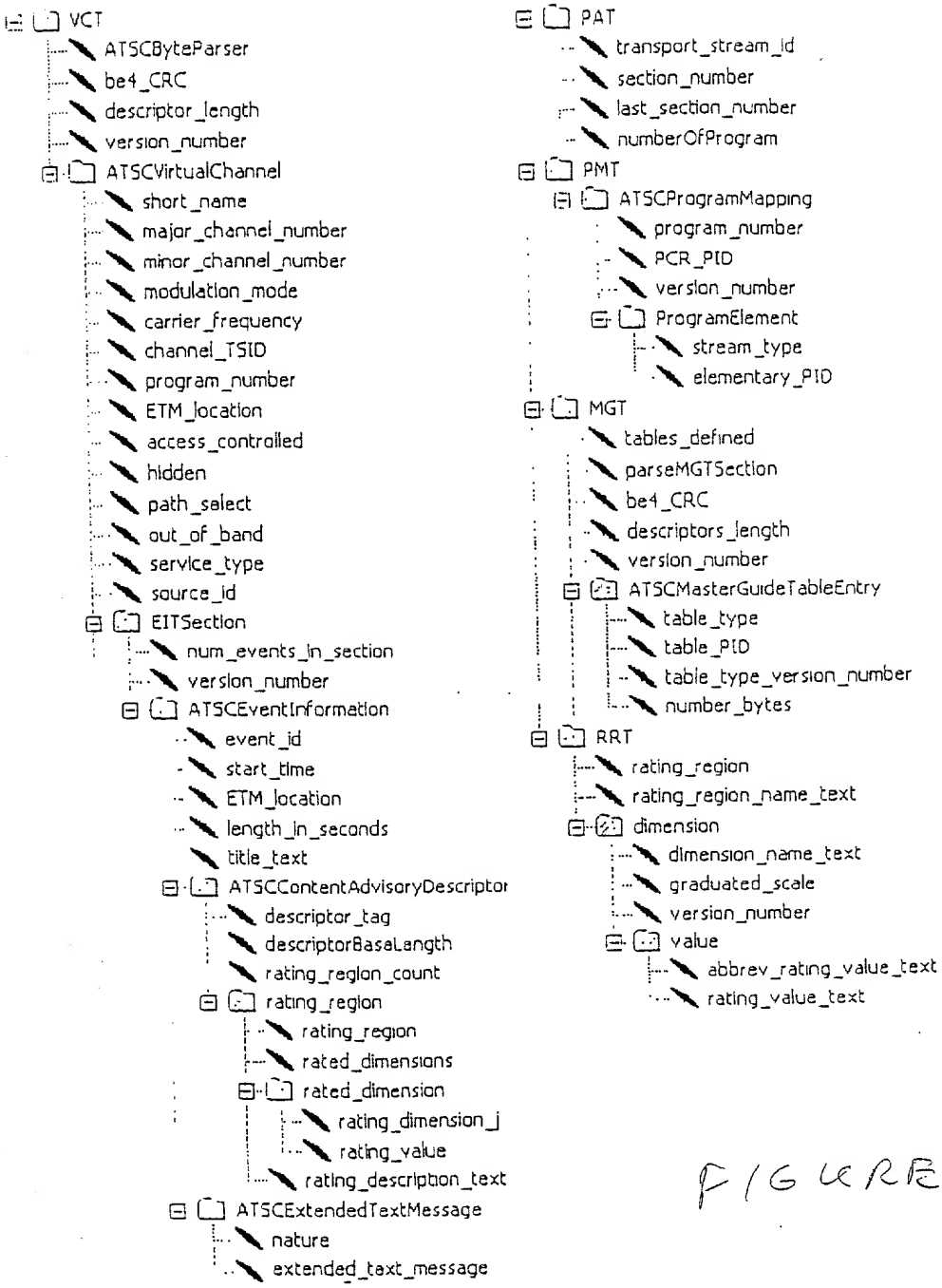
VCT
ATSCByteParser
be4_CRC
descriptor_length
version_number
ATSCVirtualChannel
short_name
major_channel_number
minor_channel_number
modulation_mode
carrier_frequency
channel_TSID
program_number
ETM_location
access_controlled
hidden
path_select
out_of_band
service_type
source_id
EITSection
num_events_in_section
version_number
ATSCEventInformation
event_id
start_time
ETM_location
length_in_seconds
title_text
ATSCContentAdvisoryDescriptor
descriptor_tag
descriptorBaseLength
rating_region_count
rating_region
rating_region
rated_dimensions
rated_dimension
rating_dimension_j
rating_value
rating_description_text
ATSCExtendedTextMessage
nature
extended_text_message
PAT
transport_stream_id
section_number
last_section_number
numberOfProgram
PMT
ATSCProgramMapping
program_number
PCR_PID
version_number
ProgramElement
stream_type
elementary_PID
MGT
tables_defined
parseMGTSection
be4_CRC
descriptors_length
version_number
ATSCMasterGuideTableEntry
table_type
table_PID
table_type_version_number
number_bytes
RRT
rating_region
rating_region_name_text
dimension
dimension_name_text
graduated_scale
version_number
value
abbrev_rating_value_text
rating_value_text

FIGURE 8

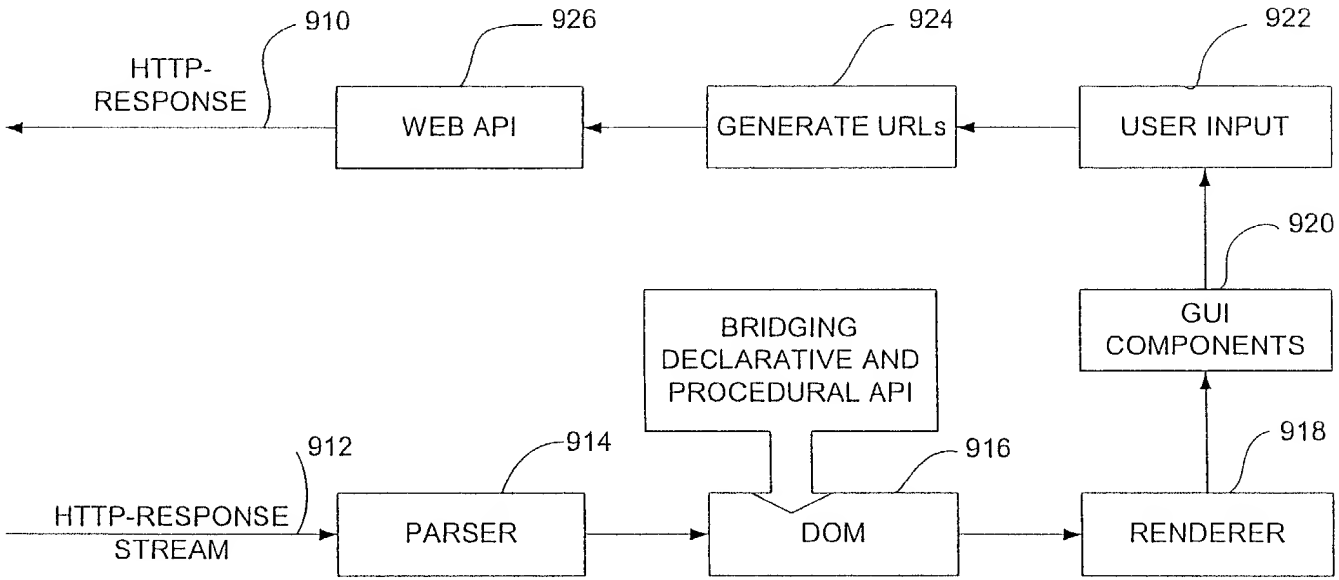


FIGURE 9
(PRIOR ART)

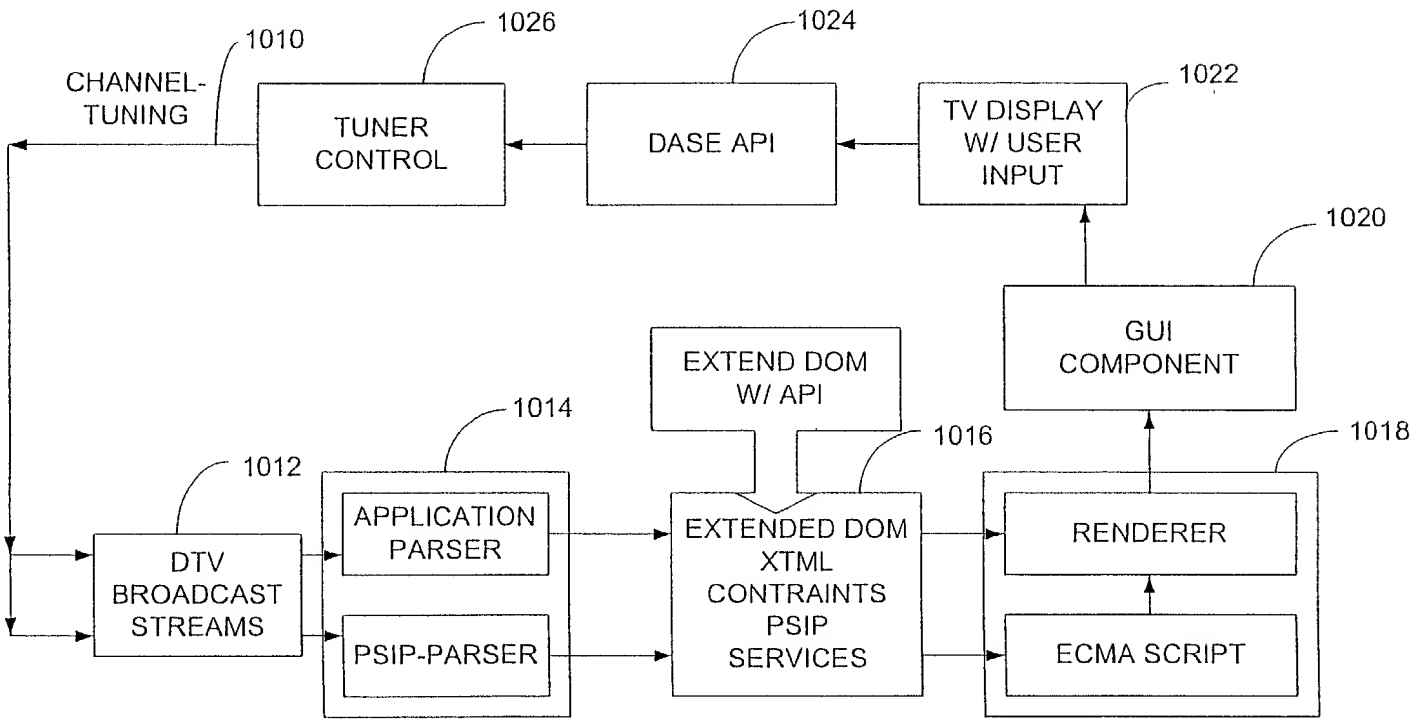
1010
1026
1024
1022
CHANNEL-
TUNING
TUNER
CONTROL
DASE API
TV DISPLAY
W/ USER
INPUT
1020
GUI
COMPONENT
EXTEND DOM
W/ API
1014
1016
1018
1012
APPLICATION
PARSER
EXTENDED DOM
XTML
CONTRAINTS
PSIP
SERVICES
RENDERER
DTV
BROADCAST
STREAMS
PSIP-PARSER
ECMA SCRIPT

FIGURE 10